

METHOD AND DEVICE FOR ANALYSIS OF A MEDICAL FLUID

Abstract

A method and a device for analyzing a medical fluid in a closed bag set. The bag set has an analysis device connected to integrally connected to a bag containing the medical fluid via a connection tube. The analysis device has an expandable air pocket having a reagent on an interior surface. When the medical fluid is to be tested, the air pocket is expanded and the medical fluid flows through the connection tube and into the air pocket and contacts the reagent material. The connection tube may have a valve or frangible pin or membrane preventing the medical fluid from entering the connection tube until the test procedure is started. A reaction of the reagent to the medical fluid may be detected by an optical apparatus such as a CCD or CMOS optical sensor. The air pocket may be enclosed by a cassette for exerting an under-pressure at the outer surfaces of the air pocket in order to draw medical fluid into the analysis device.